Claims

[1]   A method of controlling power in a CDMA-2000 system, said method
comprising the steps of:
selecting a service type to be provided;
if the selected service type is a data service, implementing a reverse-link power
control algorithm for the data service;
if the selected service type is a voice service, implementing a reverse-link power
control algorithm for an IS-95A or IS-95B CDMA system; and
determining a target Energy per Bit / Noise Total (Eb/Nt) value.

[2]   The method as claimed in claim 1, wherein said reverse-link power control
algorithm for a data service comprises the steps of:
at a Base station Transceiver Subsystem (BTS), checking the statuses of
reception frames through a fundamental channel and a supplemental channel;
determining a target Eb/Nt value for each of the fundamental and supplemental
channels;
transmitting the determined target Eb/Nt value from a Base Station Controller
(BSC) to the BTS;
at the BTS, checking a current Eb/Nt value for each of the fundamental and sup-
plemental channels between power control groups;
comparing the current Eb/NT value with the transmitted target Eb/Nt value;
determining power control bits for the fundamental and supplemental channels;
and
at the BTS, transmitting the determined power control bits to a mobile unit in
turn.